

Technical Soil Descriptions

Technical soil descriptions describe the characteristics or properties (physical and chemical) of the soil including the parent material in which it formed. A pedon, a small three-dimensional area of the soil, serves as the reference point for the technical or soil series description. The soil description compares the soil to similar and other nearby soils and also includes a range of important characteristics. The detailed description method follows standards outlined in the Soil Survey Manual and many of the technical terms used in the description are defined in Soil Taxonomy.

Counties with Published Soil Surveys

Technical soil descriptions are located in the county soil survey descriptive legend.

Counties without Published Soil Surveys

Technical soil descriptions can be found in adjacent county published soil survey descriptive legends or at our [Official Soil Series Description](#) web site.

This section includes:

- (a) **Classification of the soils**

Sullivan County, Missouri
 Classification of the Soils

(An asterisk in the first column indicates a taxad junct to the series. See text for a description of those characteristics that are outside the range of the series.)

Soil name	Family or higher taxonomic class
	Arents
ADCO-----	Fine, montmorillonitic, mesic Vertic Albaqualfs
ARBELA-----	Fine, montmorillonitic, mesic Argiaquic Argialbolls
ARMSTRONG-----	Fine, montmorillonitic, mesic Aquertic Hapludalfs
*ARMSTRONG-----	Fine, montmorillonitic, mesic Aquertic Hapludalfs
BELINDA-----	Fine, montmorillonitic, mesic Vertic Albaqualfs
CANTRIL-----	Fine-loamy, mixed, mesic Udollic Ochraqualfs
CHEQUEST-----	Fine, montmorillonitic, mesic Vertic Endoaquolls
GARA-----	Fine-loamy, mixed, mesic Mollie Hapludalfs
*GARA-----	Fine-loamy, mixed, mesic Mollie Hapludalfs
GORIN-----	Fine, montmorillonitic, mesic Aquertic Chromic Hapludalfs
KESWICK-----	Fine, montmorillonitic, mesic Aquertic Chromic Hapludalfs
*LAMONI-----	Fine, montmorillonitic, mesic Aquertic Argiudolls
LANDES-----	Coarse-loamy, mixed, mesic Fluventic Hapludolls
LENZBURG-----	Fine-loamy, mixed (calcareous), active, calcareous, mesic Alfic Udaarents
OLMITZ-----	Fine-loamy, mixed, mesic Cumulic Hapludolls
PERSHING-----	Fine, montmorillonitic, mesic Vertic Epiqualfs
REGER-----	Coarse-loamy, mixed, mesic Dystric Eutrochrepts
RINDA-----	Fine, montmorillonitic, mesic Vertic Epiqualfs
SHELBY-----	Fine-loamy, mixed, mesic Typic Argiudolls
*SHELBY-----	Fine-loamy, mixed, mesic Typic Argiudolls
TICE-----	Fine-silty, mixed, mesic Fluvaquentic Hapludolls
VIGAR-----	Fine-loamy, mixed, mesic Aquic Argiudolls
WABASH-----	Fine, montmorillonitic, mesic Cumulic Vertic Endoaquolls
WINNEGAN-----	Fine, mixed, superactive, mesic Oxyaqueic Hapludalfs
ZOOK-----	Fine, montmorillonitic, mesic Cumulic Vertic Endoaquolls